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**Test Procedure for**

**UNIT WEIGHT, YIELD, AND AIR CONTENT  
(GRAVIMETRIC) OF CONCRETE**



**TxDOT Designation: Tex-417-A**

***Effective Date: July 2008***

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**1. SCOPE**

- 1.1 This test method covers determining the weight per cubic meter (cubic yard) of freshly mixed concrete and gives formulas for calculating yield, cement content, and air content of concrete.
  - 1.2 The values given in parentheses (if provided) are not standard and may not be exact mathematical conversions. Use each system of units separately. Combining values from the two systems may result in nonconformance with the standard.
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**2. PROCEDURE**

- 2.1 Refer to ASTM C 138 for the test procedure.
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**3. ARCHIVED VERSIONS**

- 3.1 Archived versions are available.